

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

5498-01-TMC

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5)

INTERNATIONAL APPLICATION NO.  
PCT/US 97/18396INTERNATIONAL FILING DATE  
09 October 1997PRIORITY DATE CLAIMED  
11 October 1996

## TITLE OF INVENTION

SULFONAMIDE INTERLEUKIN-1 $\beta$  CONVERTING ENZYME INHIBITORS

## APPLICANT(S) FOR DO/EO/US

H. ALBRECHT, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ A copy of the International Search Report (PCT/ISA/210).
8. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

## Items 13 to 18 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.  
A **SECOND** or **SUBSEQUENT** preliminary amendment.
16. ☐ A substitute specification.
17. ☐ A change of power of attorney and/or address letter.
18. ☐ Certificate of Mailing by Express Mail
19. ☐ Other items or information:

EXPRESS MAIL: EF 508611829 US

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5)	INTERNATIONAL APPLICATION NO. <b>PCT/US 97/18396</b>	ATTORNEY'S DOCKET NUMBER <b>5498-01-TMC</b>
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20. The following fees are submitted: <b>BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) :</b>				<b>CALCULATIONS PTO USE ONLY</b>	
<input type="checkbox"/> Search Report has been prepared by the EPO or JPO ..... <b>\$930.00</b> <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... <b>\$720.00</b> <input checked="" type="checkbox"/> No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... <b>\$790.00</b> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$1,070.00</b> <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... <b>\$98.00</b>					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>					
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				<b>\$0.00</b>	
<b>CLAIMS</b>	<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>		
Total claims	58 - 20 =	38	x \$18.00	<b>\$684.00</b>	
Independent claims	5 - 3 =	2	x \$78.00	<b>\$156.00</b>	
Multiple Dependent Claims (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,630.00</b>	
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>	
<b>SUBTOTAL =</b>				<b>\$1,630.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,630.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,630.00</b>	
				Amount to be: refunded	\$
				charged	\$

- ☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.
- ☒ Please charge my Deposit Account No. **23-0455** in the amount of **\$1,630.00** to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **23-0455** A duplicate copy of this sheet is enclosed.

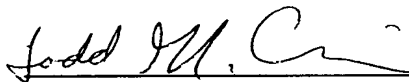
**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**Todd M. Crissey**  
**Warner-Lambert Company**  
**2800 Plymouth Road**  
**Ann Arbor, MI 48105**

Telephone: **734-622-7530**  
 Fax: **734-622-1553**

**TCns1326 IP**

  
 SIGNATURE

**Todd M. Crissey**  
 NAME

**37,807**  
 REGISTRATION NUMBER

**April 9, 1999**  
 DATE

Am  
✓cm

THE US PATENT AND TRADEMARK OFFICE IS IN RECEIPT OF:

1. TRANSMITTAL IN DUPLICATE FOR PATENT APPLICATION 4 PAGES
2. COPY OF INTERNATIONAL SEARCH REPORT AND ART 8+ PAGES
3. DECLARATION 3 PAGES
4. COPY OF INTERNATIONAL PRELIMINARY REPORT 6 PAGES
5. ACKNOWLEDGEMENT POSTCARD

**RECEIVED**

APR 20 1999

FOR INVENTORS: H. ALBRECHT, ET AL.

INVENTION TITLED: SULFONAMIDE INTERLEUKIN-1 CONVERTING  
ENZYME INHIBITORS

AA PATENT DEPT.

NATIONAL FILING OF PCT/US97/18396, filed October 9, 1997;  
CLAIMING PRIORITY OF USSN 60/028,313, filed October 11, 1996.

EXPRESS MAIL: EF 508611829 US

5498-01-TMC

TMC:ns

APRIL 9, 1999

09/284422

410 Rec'd PCT/PTO 09 APR 1999

**DOCKETED**

Date

7/19/99

For

IDS - TMC

7/20/99

09/27/01

Customer Number: 000959

**DIVISIONAL APPLICATION TRANSMITTAL FORM**  
**UNDER RULE 1.53(b)**

A1202

DOCKET NUMBER	ANTICIPATED CLASSIFICATION OF THIS APPLICATION:		PRIOR APPLICATION SERIAL NUMBER: 09/284,422	PRIOR APPLICATION FILING DATE: APRIL 9, 1999
BBI-5035CPUSDV	CLASS:	SUBCLASS:	EXAMINER: M. BORIN	ART UNIT: 1631

COMMISSIONER FOR PATENTS  
 BOX PATENT APPLICATION  
 WASHINGTON, DC 20231

**CERTIFICATION UNDER 37 CFR 1.10**

Date of Deposit: September 25, 2001

Mailing Label Number: EL 489 806 564 US

I hereby certify that this 37 CFR 1.53(b) request and the documents referred to as attached therein are being deposited with the United States Postal Service on the date indicated above in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR 1.10 and addressed to the Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Viriato G. Cardoso  
 Name of Person Mailing Paper

*Viriato G. Cardoso*  
 Signature of Person Mailing Paper

J1033 U.S. PTO  
 09/964114  
 09/25/01

Dear Sir:

This is a request for filing a divisional application under 37 CFR 1.53(b), of pending prior application serial no. 09/284,422 filed on April 9, 1999, of Hans P. Albrecht, John A. Hamish, Kenneth D. Brady, William G. Harter, Catherine R. Kostlan, Bruce D. Roth, and Nigel Walker entitled Sulfonamide Interleukin-1 $\beta$  Converting Enzyme Inhibitors.

1. ☒ Enclosed is a copy of the national phase application papers:
  - ☒ Return Postcard (1 page)
  - ☒ Transmittal Letter of Patent Application (2 pages)
  - ☒ International Search Report (8 pages)
  - ☒ Executed Declaration and Power of Attorney (5 pages)
  - ☒ Notification of Transmittal of the International Preliminary Examination Report (6 pages)
- ☒ Enclosed is a courtesy copy of the international publication no. WO 98/16505 from international application no. PCT/US97/18396, with Search Report, including:
  - ☒ 36 pages of specification and 2 pages of PCT Publication Cover Sheets (Title, Abstract, etc.)
  - ☒ 12 page(s) of claims
  - ☒ 4 sheet(s) of International Search Report

I hereby verify that the attached papers are a true copy of the prior complete application serial no. 09/284,422 as originally filed on April 9, 1999.

2. ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 1.27, a copy of which is enclosed, was filed in the prior application and such status is still proper and desired (37 CFR 1.28(a)).

J1060 U.S. PTO  
 09/25/01

0964114 092501

3. ☒ The filing fee is calculated below:

	NUMBER OF CLAIMS FILED			NUMBER EXTRA
TOTAL	* 33	MINUS	** 20	= 13
INDEP.	* 3	MINUS	*** 3	= 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS				

## SMALL ENTITY

RATE	FEE
x 9 =	\$0.00
x 40 =	\$0.00
+135 =	\$0.00
BASIC FEE	\$0.00
TOTAL	\$0.00

OR

OTHER THAN A  
SMALL ENTITY

RATE	FEE
x 18 =	\$ 234.00
x 80 =	\$ 0.00
+ 270 =	\$0.00
BASIC FEE	\$710.00
TOTAL	\$944.00

4. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required in connection with this communication, or credit any overpayment, to Deposit Account No. 12-0080. A duplicate copy of this sheet is enclosed.
5. ☒ A check in the amount of \$944.00 is enclosed for payment of the filing fee.
6. ☒ Cancel in this application original claims 2-10, 12-18, 25, 32, 42-47, 58 of the prior application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
7. ☐ A preliminary amendment is enclosed. (Claims added by this amendment have been properly numbered consecutively beginning with the number next following the highest numbered original claims in the prior application.)
8. ☒ Amend the specification by inserting before the first line the following paragraph: "This application is a divisional application of application no. 09/284,422, filed on April 9, 1999, Allowed, which is a US National Phase Application of PCT/US97/18396, filed October 9, 1997, and which claims priority to provisional application no. 60/028,313, filed October 11, 1996. The contents of all of the aforementioned applications are hereby incorporated by reference in their entireties."
9. ☐ Please abandon said prior application as of the filing date accorded this application. A duplicate copy of this transmittal is enclosed for filing in the prior application file. (May be used if signed by person authorized by §1.138 and before payment of base issue fee.)
10. ☐ Transfer the drawings from the pending prior application to this application.
11. ☐ Priority of application serial no. \_\_\_\_\_ filed on \_\_\_\_\_ in \_\_\_\_\_ is claimed under 35 U.S.C. §119.
- ☐ The certified copy has been filed in prior application serial no. \_\_\_\_\_ filed on \_\_\_\_\_.
- ☐ The certified copy will follow.
12. ☒ The prior application is assigned of record to Warner-Lambert Company and BASF Aktiengesellschaft, Reel 9747 & Frame 0774.
13. ☐ A \_\_\_\_\_ month extension of time has been submitted in the parent application Serial No. \_\_\_\_\_ in order to establish copendency with the present application.
14. ☒ Also enclosed is a paper copy of a Sequence Listing comprising four (4) pages.
15. ☒ The power of attorney in the prior application is to Lahive & Cockfield, LLP.
- a. ☐ The power appears in the original papers in the prior application.
- b. ☒ Because the power does not appear in the original papers, copies of the Associate Power of Attorney dated June 29, 2001 (2 pages) and Revocation of Prior Powers of Attorney and Appointment of New Power of Attorney dated May 30, 2001 (3 pages) are enclosed.
- c. ☐ A new power has been executed and is attached.

09964114-092501

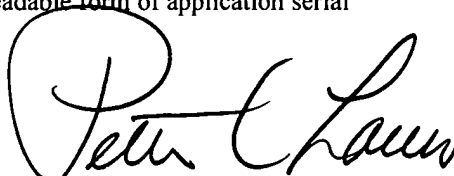
16. ☒ Address all future communications (May only be completed by applicant, or attorney or agent of record) to Giulio A. D'Amico, Jr. at Customer Number: 340959 whose address is:

Lahive & Cockfield, LLP  
28 State Street  
Boston, Massachusetts 02109

17. ☒ Any requests for extensions of time necessary in a parent application for establishing copendency between this application and a parent application are hereby requested and the Commissioner is authorized to charge any fee associated with such an extension to Deposit Account No. 12-0080.
18. ☒ Pursuant to 37 CFR 1.821(e), the computer readable form of the sequence listing for this new application is to be identical with the computer readable form of application serial no. 09/284,422. Please use the computer readable form of application serial no. 09/284,422 in lieu of filing a duplicate computer readable form in this application. Pursuant to 37 CFR 1.821(f), the content of the paper copy of the sequence listing for this new application and the computer readable form of application serial no. 09/284,422 are the same.

September 25, 2001  
Date

LAHIVE & COCKFIELD, LLP  
28 State Street  
Boston, Massachusetts 02109  
Tel. (617) 227-7400



Peter C. Lauro, Esq.  
Reg. No. 32,360

- ☐ inventor(s) ☐ filed under §1.34(a)  
☐ assignee of complete interest  
☒ attorney or agent of record

09064114-092501  
T05260-411460